



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Dworshak Fisheries Complex

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MEMORANDUM

To: Fisheries Supervisor, Columbia Basin Ecoregion
Region 1, Portland, OR

From: Complex Manager
Dworshak Fisheries Complex

Subject: **Monthly Activity Report –May, 2009**

Fish Management Culture

Dworshak

SPRING CHINOOK SALMON (SCS)

Brood Year (BY) 2008

At the end of the month there were approximately 1,156,766 BY08 SCS on station. These fish averaged 194 fish per pound (fpp) and 66 mm (2.6 inches) total length. Mortality for the month averaged 0.5 percent and raceway (RW) water temperature averaged 44.3°F.

On May 14, SCS in RW 9 was split into RW 8. After the split there were an estimated 137,160 SCS in RW 9 and 126,610 in RW 8.

Approximately 115,000 SCS remained in either circular or rectangular experimental tanks in RW's 13-15 as explained in the April Monthly Activity Report. These fish will be moved into concrete RW's in June.

COHO SALMON (COS)

Brood Year 2008

Some coho were moved off-station while others were inventoried and moved to adjacent Burrows ponds (BP) during the month. At the end of the month there were 425,202 COS averaging 60 fpp and 92 mm (3.6 inches) total length. Coho are in BP 51-53-55-57-59 and a mixed-cell unit, BP 66. Mortality for the month was 0.3 percent. Water temperature averaged 44.3°F in the BPs.

On May 11, there were approximately 61,222 COS outplanted into Lapwai Creek. These fish averaged 82 fpp at the time of transfer.

On May 12 and 14, there were approximately 302,385 and 58,949 COS, respectively, outplanted into Clear Creek. These fish also averaged 82 fpp at the time of release.

On May 21, there were 61,748 COS which received coded- wire-tags (CWTs) and moved from BP 67 into BP 51 along with 17,972 unmarked coho.

On May 22, there were 80,142 coho inventoried with the marking trailer and moved from BP 67 into BP 53.

On May 23, there were 80,631 coho inventoried with the marking trailer and moved from Bps 67 and 71 into BP 55

On May 24, there were 79,709 coho inventoried with the marking trailer and moved from BP 71 into BP 57.

On June 2, there were 56,221 coho inventory by weight from BP 71 and moved into BP 59.

FALL CHINOOK SALMON

Brood Year 2008

As stated in the April Monthly Activity Report, the Idaho Fishery Resources Office (IFRO) is participating in two studies on fall Chinook salmon (FCS); 1) an evaluation of migrational behavior of Clearwater River fall Chinook salmon subyearlings and 2) an evaluation of the effect of transportation and summer spill in the Columbia River hydro system on smolt-to-adult return rates of Snake and Clearwater River Fall Chinook Salmon.

At the end of the month, there were 78,022 Snake River and 104,726 Clearwater River FCS (total 182,748) on station averaging 171 fpp and 68 mm (2.7 inches) total length.

From May 18 – June 1, there were releases made five days/week at Couse Creek on the Snake River. The total number of fish released by June 1 was 156,045 FCS. All fish were PIT tagged by BioMark Inc. of Boise, Idaho.

SUMMER STEELHEAD (SST)

Brood Year 2009

At the end of the month approximately 2.17 million BY09 SST were on feed in the nursery. These fish averaged 250 fpp and 57 mm (2.3 inches) total length. Mortality for the month was 0.46 percent and water temperature averaged 53.5°F.

On May 18 and 26 fingerlings from Takes 1-2, respectively, were moved from the nursery to outside BPs in System III. A total of 433,909 SST were transferred outside using a new fish-pump from PR-Aqua. The fish-pump eliminates the need for netting the fish and allows the SST to remain in the water during the entire operation. These SST averaged 85 fpp at the time of transfer. After being moved outside the mortality was 0.09 percent for these fish during the remainder of the month.

On May 21, there was a temperature spike of about 20°F on fry from Takes 9-10 in the incubation room. The spike lasted approximately 5-15 minutes and there were no significant mortalities noted with these fish by the end of the month.

On May 28-29, fry from Takes 9-10 were transferred from the incubation trays into nursery tanks vacated by Takes 1-2. These fry began feeding within a few days after transfer. All 128 nursery tanks were full by the end of the month.

RAINBOW TROUT (RBT)

Brood Year 2008

By the end of the month there were 6,831 BY08 RBT in two BPs in System III averaging 1.4 fpp and 306 mm (12.1 inches) total length. Mortality for the month was 4.2 percent. The fish remained on single pass river water averaging 44.3°F.

On May 13, all the RBT from BP 60 were transferred to Kooskia National Fish Hatchery (KNFH) for Kids' Fishing Day in June. There were an estimated 3,698 RBT transferred averaging 1.9 fpp.

These RBT remaining at Dworshak will be for the "Kids Fishing Day" in conjunction with National Fishing Week on June 12, 2009.

Brood Year 2009

At the end of the month there were 13,831 BY09 RBT in circular tanks in the incubation room averaging 105 fpp and 73 mm (2.9 inches) total length. Mortality for the month was 0.01 percent. Water temperature in the tanks averaged 50.6°F during the month.

These fish will be utilized for the "Kids Fishing Day" in 2010.

SUMMARY

Table 2 Total Production—Fish on Station (04/30/09).

SP	BY	Location	Number	Wt (lbs)	FPP	L in	L mm
FCS	09	B-Bank RWs	182,748	1,071	171	2.7	68
SCS	08	A-Bank RWs	1,156,766	5,963	194	2.6	66
COS	08	BPs and MCU	425,202	7,074	60.1	3.6	92
SST	09	Nursery	2,177,644	8,700	250.3	2.3	57
SST	09	System III	433,500	5,539	78.3	3.3	84
RBT	09	Incub. Circ Tanks	13,831	132	104.8	2.9	73
RBT	08	BPs 60, 62 & MCU	6,831	4,791	1.4	12.1	306
Total			4,396,522	33,270			

MCU = Mixed cell unit which were Burrows ponds 64 and 66 before renovation.

Kooskia

Kooskia Trap Operations BY09

The trap was opened May 11 for BY09 Adult SCS collection. However, no adults were collected in May.

Kooskia Brood Year 2008

Kooskia Stock BY08 SCS number 646,983 averaging 162.4 fpp at 2.60 inches long. Growth for the month was .53 inches. Kooskia stock SCS were moved into the BPs on May 4, on reuse with chilled well water makeup. The reuse water temperature averaged 50.9°F this month. Surplus BY08 SCS numbering 47,197 were out planted to the Selway by the Nez Perce Tribe.

A Idaho Fish Health Center (IFHC) exam was conducted May 28th showing overall good fish health but also the presence of some ICH. A formalin treatment (12 hrs @ 50ppm) was administered to the entire system May 30th.

Rainbow Trout Brood Year 2008

Approximately 3,000 Rainbow Trout were brought up May 13 for Open house and Kids' Fishing Day in June.

Research:

Approximately 1,500 Dworshak SCS were brought up on March 9. These fish are being used by the **Pacific Ocean Shelf Tracking Project (POST)**. (See www.post.coml.org for more details). POST researchers conducted their tagging April 13-22. Final release dispositions of POST fish are summarized as follows:

Dworshak Barge 1 – Transport 1 was picked up at Kooskia Hatchery at 0635 April 16th. We released the fish at ~1015 with flush water provided by the LGR crew. Fish were released at 2250 hours on April 17 at river mile 141.

Dworshak ROR 1 –ROR Group 1 released May 4 at 3:30 PM.

Dworshak ROR 2 – ROR group 2 released May 11 at 3:15 PM

Dworshak Barge 2 – Transport 2 was picked up at Kooskia Hatchery at 0630 – 0655 on May 26th. The fish were loaded between 1020 and 1025. Fish were released at 2115 just above RM 140 on May 27

Dworshak Barge 3 – Transport 3 was picked up at Kooskia Hatchery at 0630-0650 on June 1. John arrived at the Barge in time for 1030. Last group of tagged fish were released at river mile 141 at 0040 hours on Wednesday, June 3rd.

Maintenance

Dworshak

- Electrical: Power transfers for work to be done on 3000 amp buss duct at Substation 1 on schedule power outage; troubleshot #2 generator voltage regulator, pulled the voltage regulator from #1 generator and installed on #2 and sent defective regulator in for repair; troubleshot problems with control voltage transformer, pump start delay timer and main breaker on Main Pump #2; put motor control center on hard wire and pulled main breaker for Pump #2 and installed a working breaker in Main Pump House; troubleshot and repair grounded circuit in House #2; assisted Clearwater Power and S & S Contracting with conduit and power feed locates for domestic water contract; repaired defective lighting in Nursery Room; replaced defective pump timer in Main Pump #6; replaced defective light switches in Feed Building basement; Assisted Pacific Power in making final adjustments and changes for cool down and annunciation on Generator #3; worked with U.S. Army Corps of Engineer electrician inspecting Mech II boilers and annual power outage May 6.
- Installed cam lock fittings on irrigation pipe for Production Dpt.
- Fabricated hangers for brooms and brushes and installed on pond walls.
- Pumped and hauled NPT Coho and outplanted them at Clear Creek.
- Hauled RBT from DNFH to KNFH for Open House.
- Repaired water leak in House #1 and front of shop.
- Unplugged drain in System I digester tank #2.
- Checked traveling water screens and cleaned moss from trap at Main Pumphouse daily; grounds and building maintenance daily.

Kooskia

- A-1 lock installed new locksets on the hatchery buildings.
- Test Pit dug for septic evaluation. State inspector Andy Helkey conducted the evaluation. New quarters site determined and marked. In attendance were MarvHenry, Paul Hayduk, Larry Peltz, and Adam Izbicki. Also in attendance was Pat Baird from the NPT Cultural Resources Division. NPT hatchery personnel brought up and operated the backhoe.

Meetings/Training/Travel

Dworshak

5/6 & 7

Dan Diggs, ARD and Rich Johnson, Assistant ARD traveled here from Portland, OR. A meeting was held with the entire staff on May 6 in the Main Building Conference Room.

5/19

U.S. Army Corps of Engineers officials traveled here from Walla Walla for a tour of the hatchery grounds with Larry Peltz, Complex Manager.

5/18-22

Wage Grade Conference was held in Reno, NV. Attending from the hatchery were Rick Allain and Wayne Hamilton, Animal Caretakers; John Vargas, Animal Caretaker Supervisor and Dave

- 5/26 & 27 Trainor, Maintenance Dpt.
 Larry Peltz, Howard Burge, FRO Project Leader, Mike Faler, Asst. FRO Project Leader and Billy Connor, Fisheries Biologist traveled to Vancouver, WA for a coordination meeting at the Vancouver Office.
- 5/27 Wayne Hamilton was selected to represent Region 1 Fisheries and attend the Wage Grace Maintenance Professionals Workshop at the National Training Conservation Center in June, 2009.

Kooskia

- May 5-6: Dan Diggs and Rich Johnson from the RO conducted a site visit.

Miscellaneous

- 5/19 A late celebration for Cinco de Mayo, a going-away potluck for Susan and May birthdays were attended in the Conference Room by complex staff as well as volunteers wishing well to Susan. Several going away gifts as well as a signed picture of Dworshak Fish Hatchery were presented to Susan by Larry and Megan.

Personnel Actions –

- 5/11 I/E Specialist, Megan Wandag began her summer tour of duty which includes working Saturdays for public tours at 10 a.m. & 2 p.m.
- 5/22 Last day at Dworshak Fish Hatchery for I/E Manager, Susan Sawyer, who has accepted a position at Stillwater National Wildlife Refuge, in Fallon, NV.
- 5/28 Hubert Sims, Maintenance Supervisor, Wayne Hamilton, Mike Bisbee, and Mark Bright, Fisheries Biologists participated on the interview Panel for selecting applicants for the Clearwater River Youth Program (CRYP) at DNFH and Clearwater Fish Hatchery. Selected for DNFH were Sadie Gregg, Janae Gunn and Erin Dozlier. Megan Phillips and Jesse Zick were selected for Clearwater Fish Hatchery.

Safety/Wellness –

Information/Education (I/E)

Dworshak

Tours - 10 **People** - 140
Register – 218 from 17 states (top 3: WA-40, OR-15, MT-8) and 4 countries (Mexico-2, Canada-1 Ecuador-2, China-2)
Volunteers – 1 **Hours:** 2

On-site:

- NW Outdoor Writers conference participants in Clarkston were provided an off-site tour of the hatchery and given story ideas, leads and contact info.
- End of school year tours and group tours.
- North Idaho Chamber of Commerce participants toured the hatchery.
- Completed final draft of Complex brochure for review by technical writer/editor, regional Visitor Services staff; final digital file and printing due June 1,

Off-site:

- Conducted activities at Hells Gate State Park for annual 6th grade Environmental Days, 18 presentations to 410 students in 2 days.
- Conducted outdoor activities for annual Latah Co. 6th grade Environmental Days at Spring Valley Reservoir; 12 presentations for 180 students.
- Coordinated annual fish releases and outdoor fish habitat lessons for 6 Hatchery in the Classroom (HIC) schools for 222 students total.
- Provided resources and lesson plans for 2 off-site events that I/E staff were unable to facilitate (Lewiston 4th grade program and Lewis Co, 6th grade outdoor day).
- Conducted two presentations on fisheries and local wildlife for Cavendish Elementary students; 17 students each presentation.
- Conducted fisheries presentation for Orofino Elementary's 3 kindergarten classes; 59 students total.
- Worked with partners to facilitate field day program for Dworshak Extreme Explorers after school club; 11 students participated.
- Facilitated aquatic macroinvertebrates lesson for 2 McSorley Elementary classes; 48 students total.

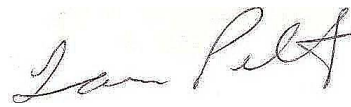
Kooskia

No visitors signed the guest book. No guided tours, but many visitors stopping to check the trap, see the big fish, and take a look around the hatchery grounds.

Website contacts: (data not available)

On-site:

- Conducted annual 2nd grade outdoor day with U.S.Forest Service (USFS) and Nez Perce Tribe (NPT) staff; 2 classes from Kooskia elementary school, 42 students total.
- Conducted annual 3rd grade Wildflower days with USFS, NPT and FWS staff providing tours, activities and lessons to approximately 60 Kamiah and Kooskia students.
- Wrote article about Fisheries Technician Art Broncheau which appeared in the spring edition of "Eddies".
- U.S. Forest Service conducted annual Fire Education Day on May 13.

A handwritten signature in dark ink, appearing to read "Larry Peltz". The signature is fluid and cursive, with the first name "Larry" and last name "Peltz" clearly distinguishable.

Larry Peltz

Complex Manager

cc: Kooskia NFH
Hagerman NFH
CFRU – Moscow
Dworshak Production (2)
LSRCP – Boise